

Claims:

1. A method for preparing a metal sulfide film, comprising the steps of providing metal halide as a first raw material and a thioamide compound as a second raw material.

5        2. The method for preparing a metal sulfide film according to Claim 1, comprising vaporizing the metal halide and the thioamide compound, and reacting the metal halide with the thioamide compound at atmospheric pressure.

10       3. The method for preparing a metal sulfide film according to Claim 1 or 2, wherein the metal halide is iron halide.

15       4. The method for preparing a metal sulfide film according to Claim 3, wherein the iron halide is at least one selected from the group consisting of  $\text{FeCl}_3$ ,  $\text{FeI}_3$ ,  $\text{FeBr}_3$ ,  $\text{FeCl}_2$ ,  $\text{FeI}_2$  and  $\text{FeBr}_2$ .

5. The method for preparing a metal sulfide film according to any one of Claims 1 to 4, wherein the thioamide compound is thioacetamide.

20       6. The method for preparing a metal sulfide film according to any one of Claims 1 to 5, wherein a triazine compound is formed as a byproduct.

7. A metal sulfide film prepared by a method according to any one of Claims 1 to 6.